

Back Top View

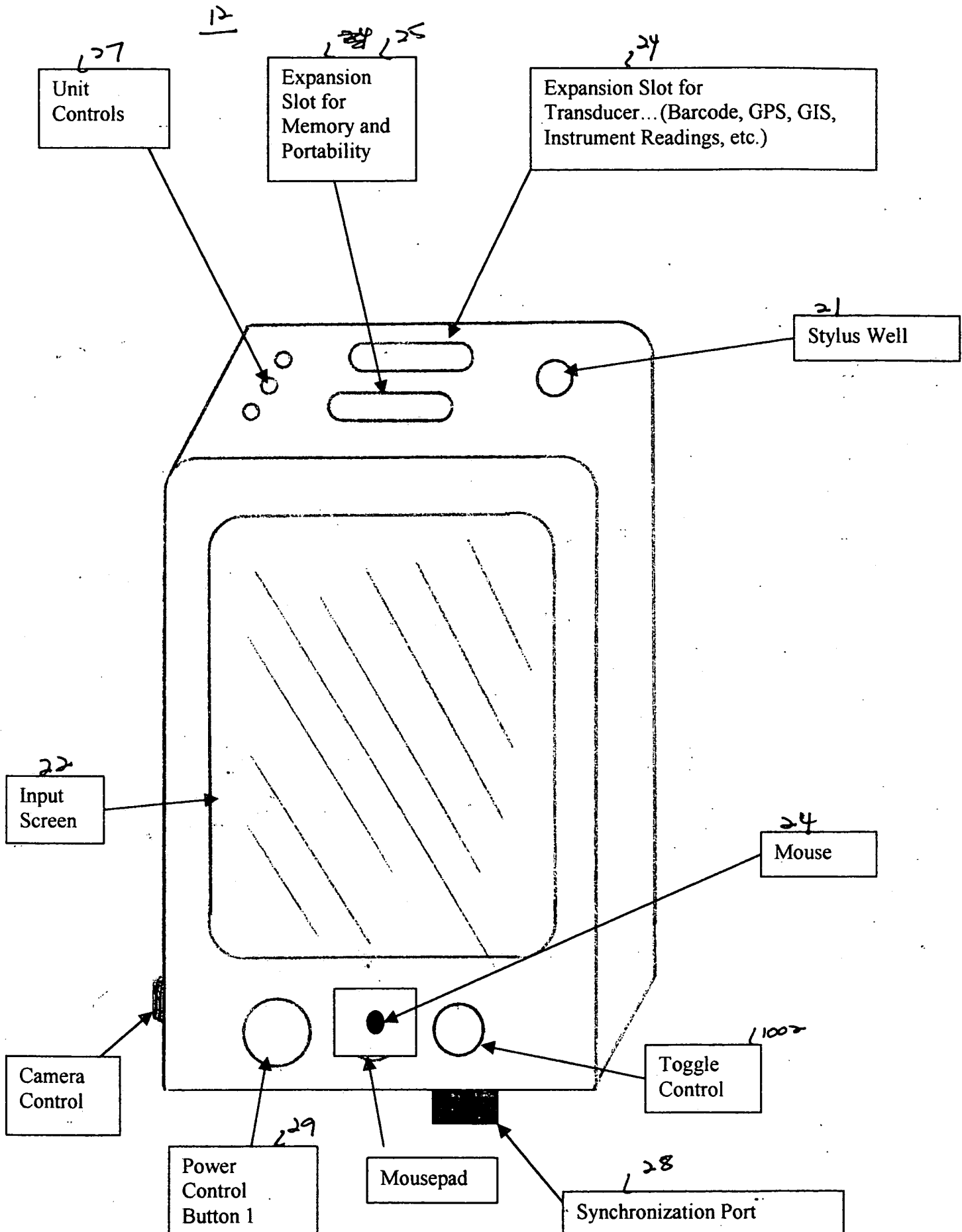


FIG 2A

Back View

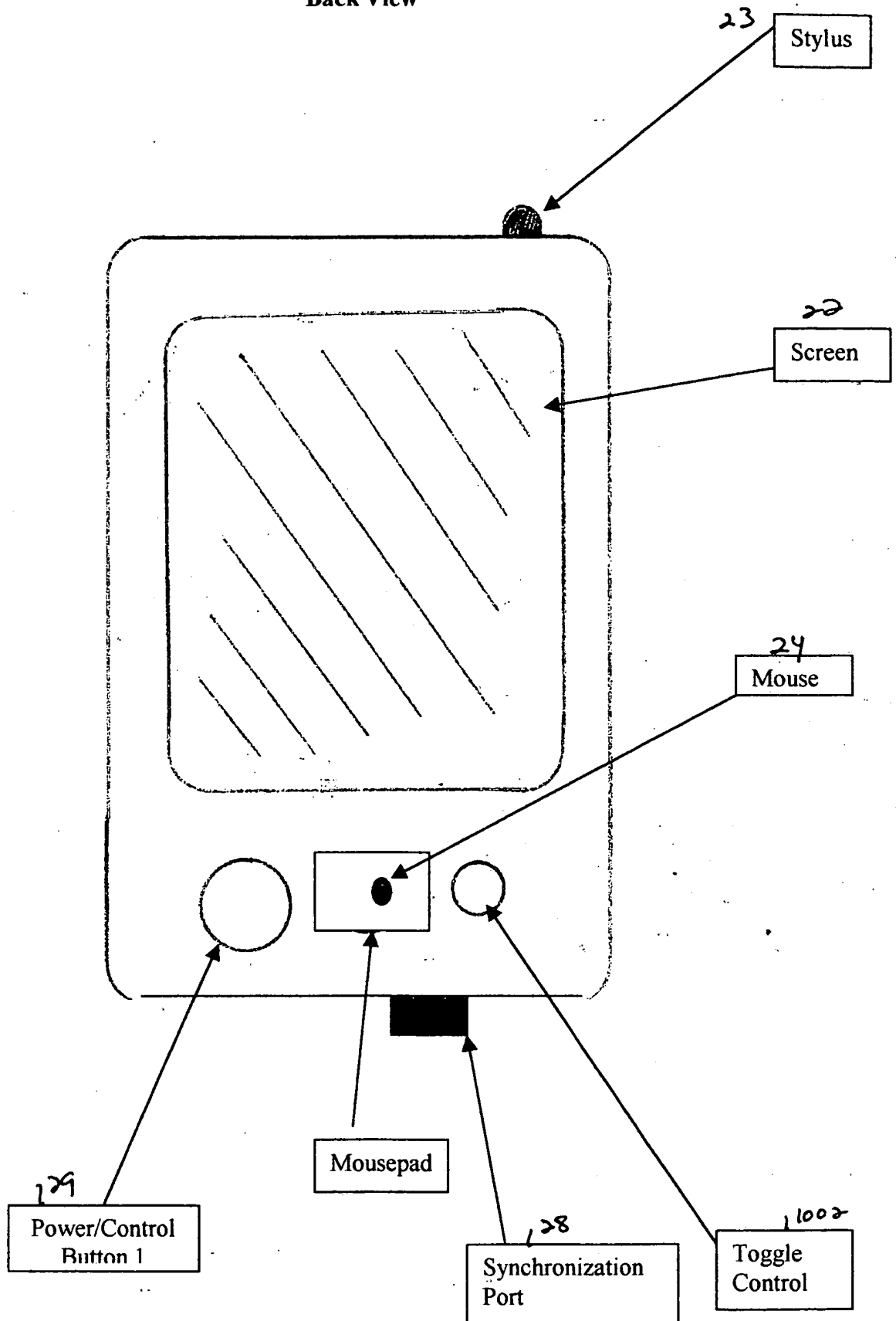


FIG. 2B

FRONT VIEW

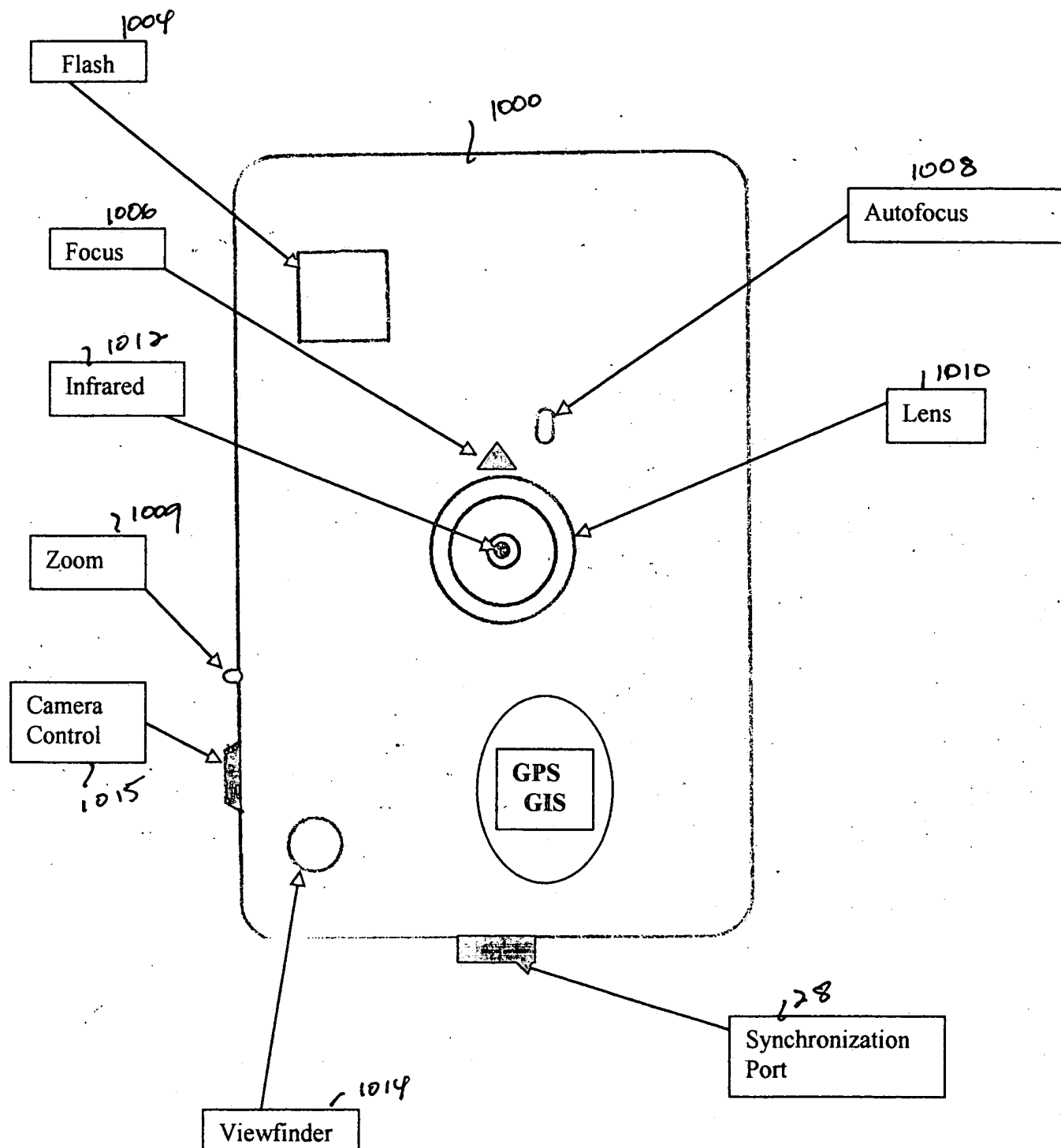


FIG. 2C

Full Unit with Base

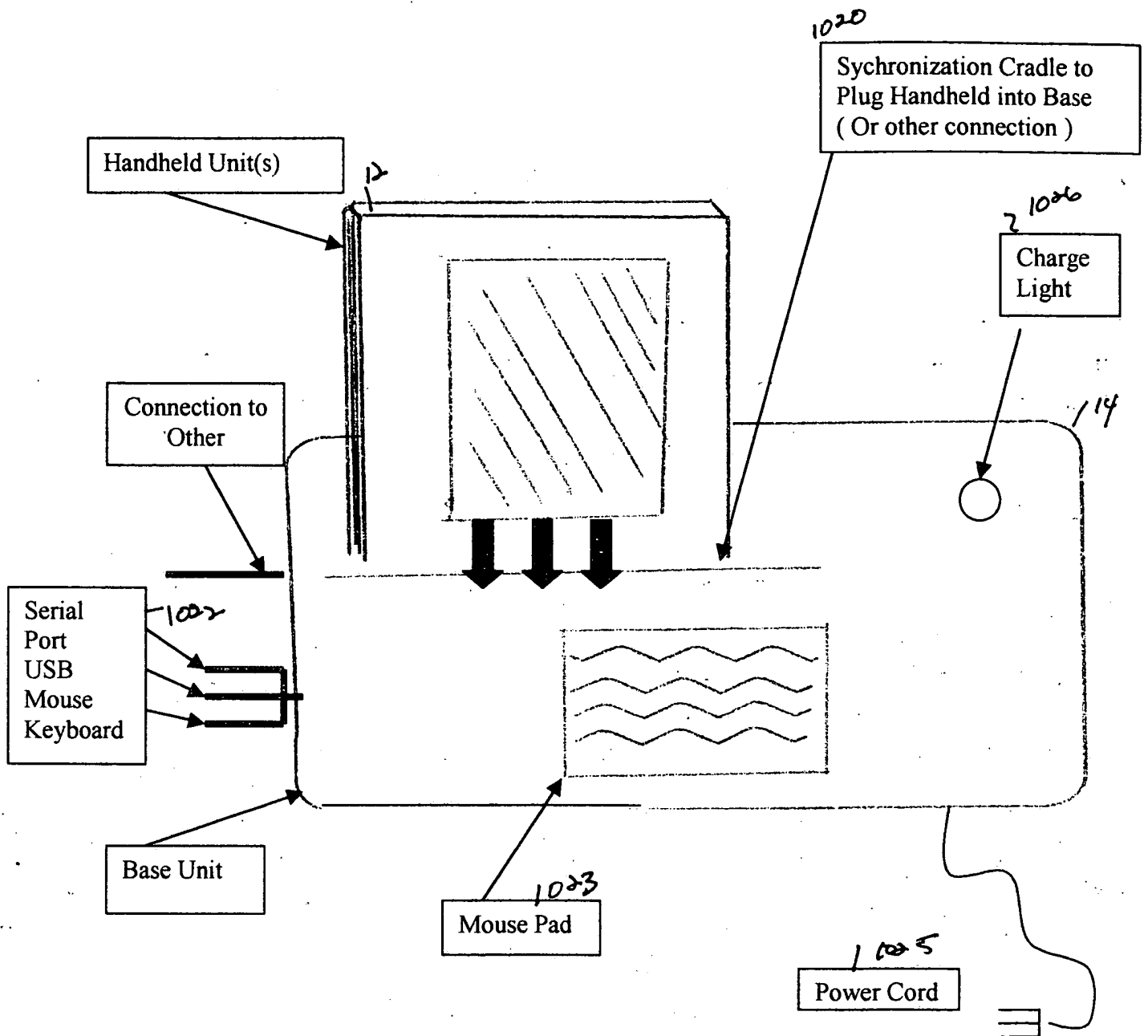


FIG. 2D

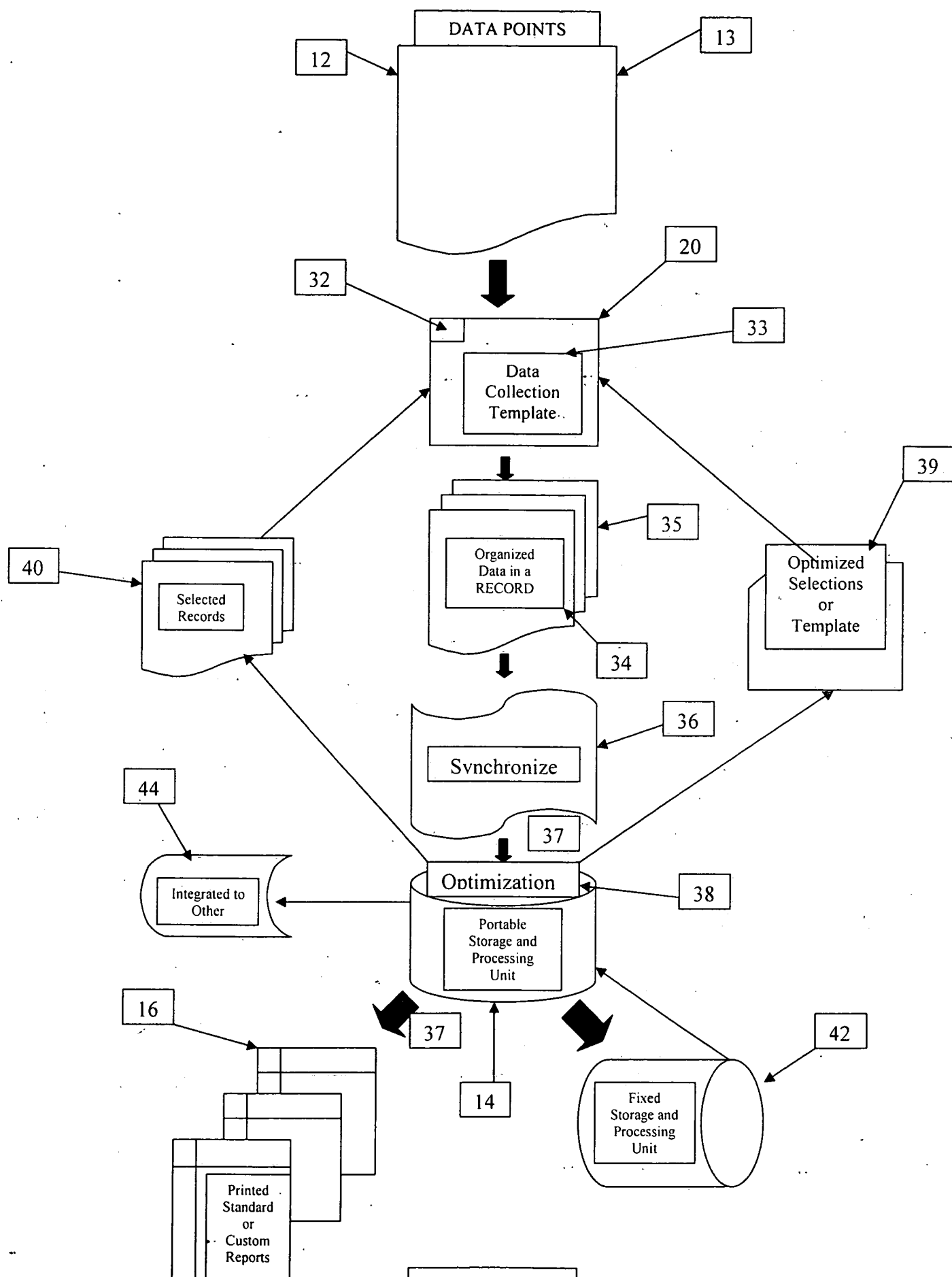
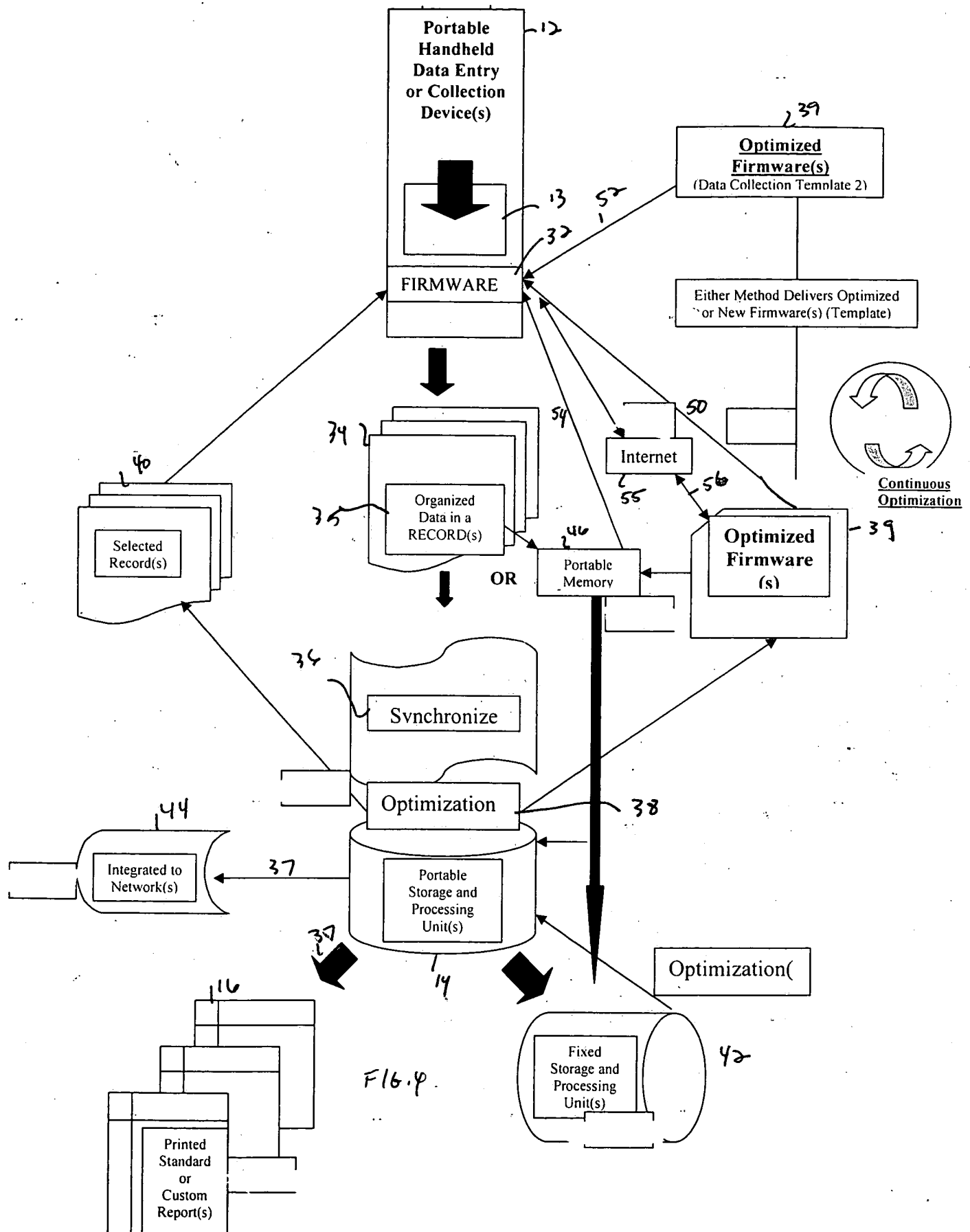
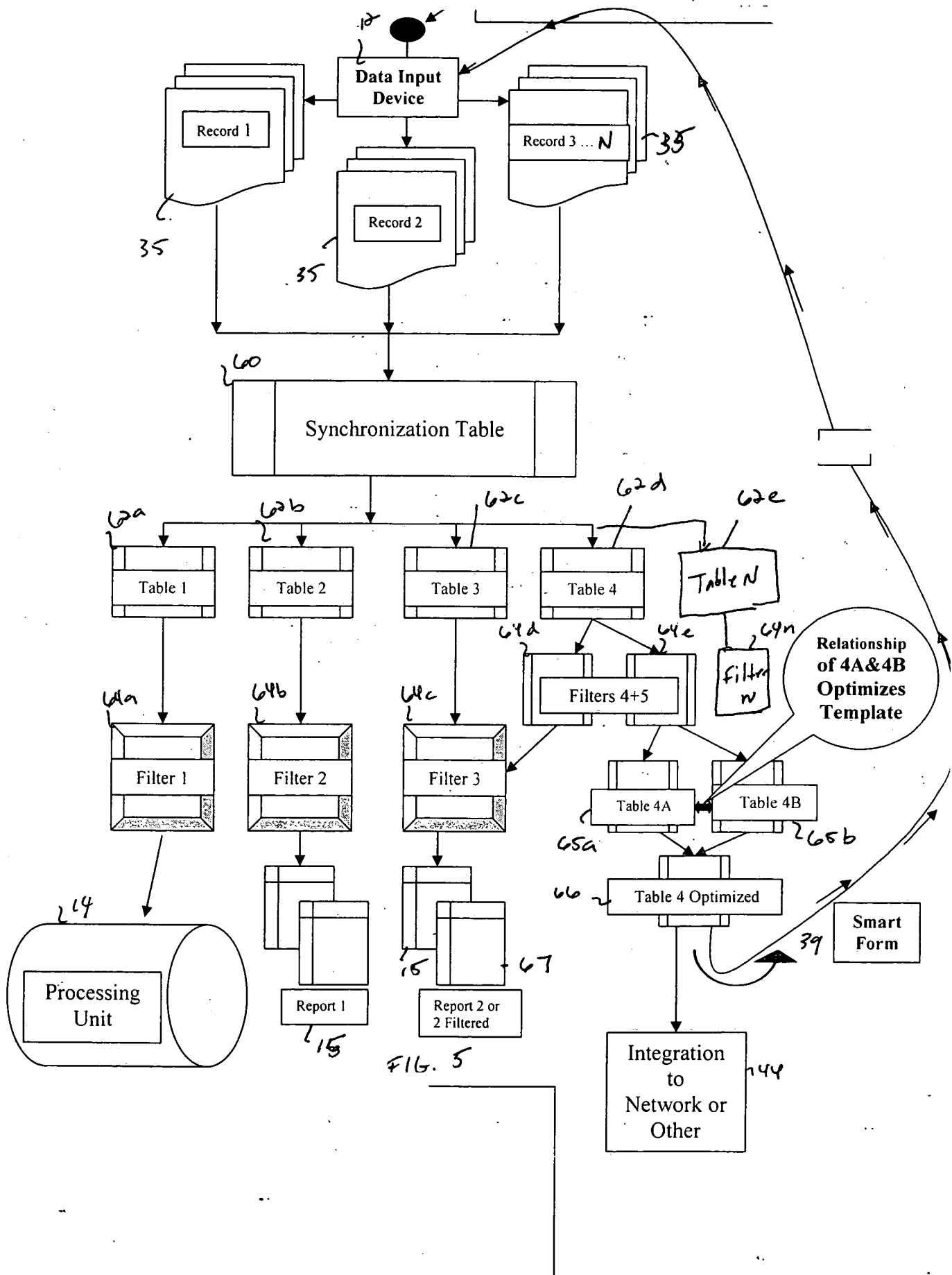


Figure 3





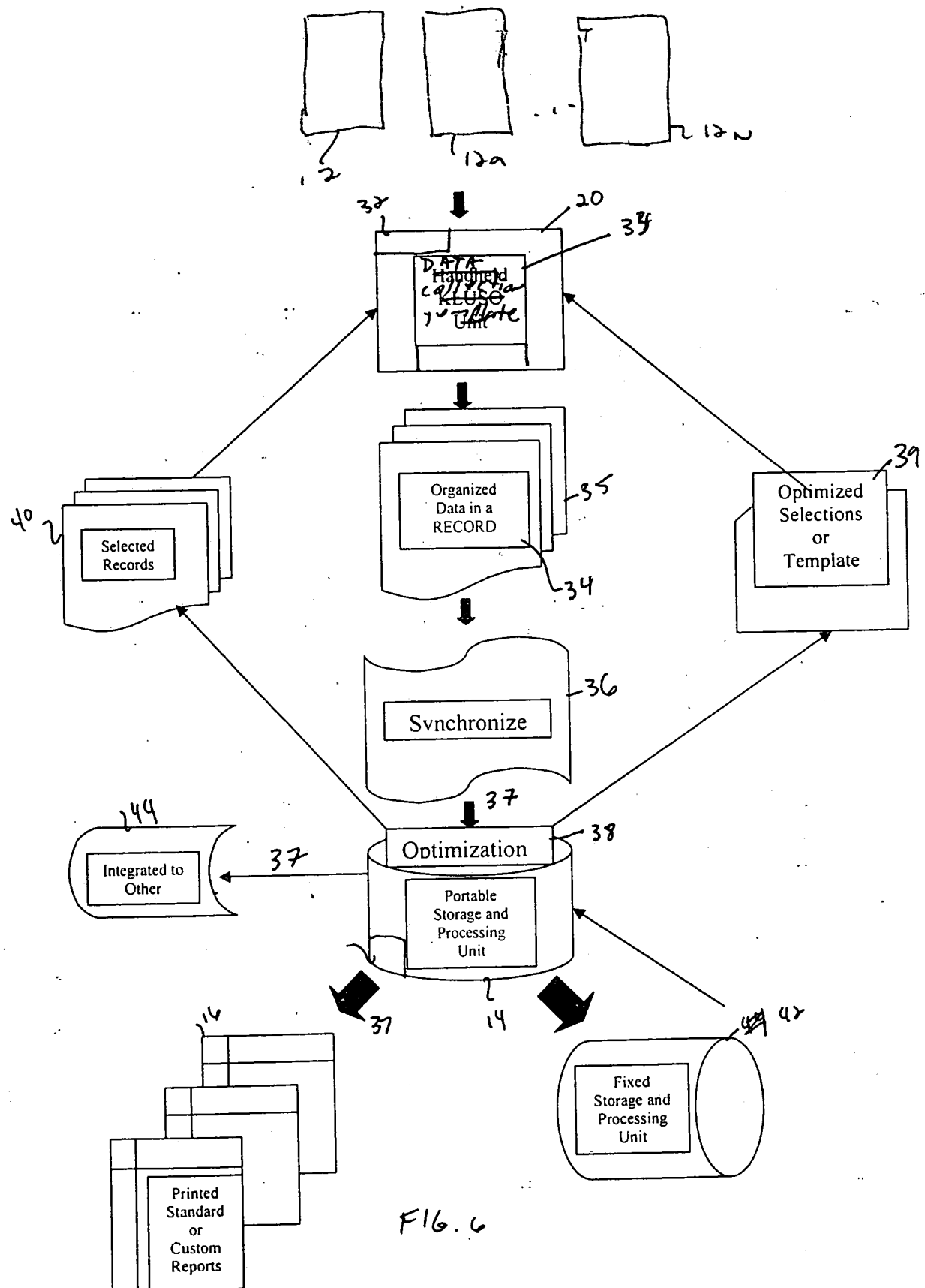


FIG. 6

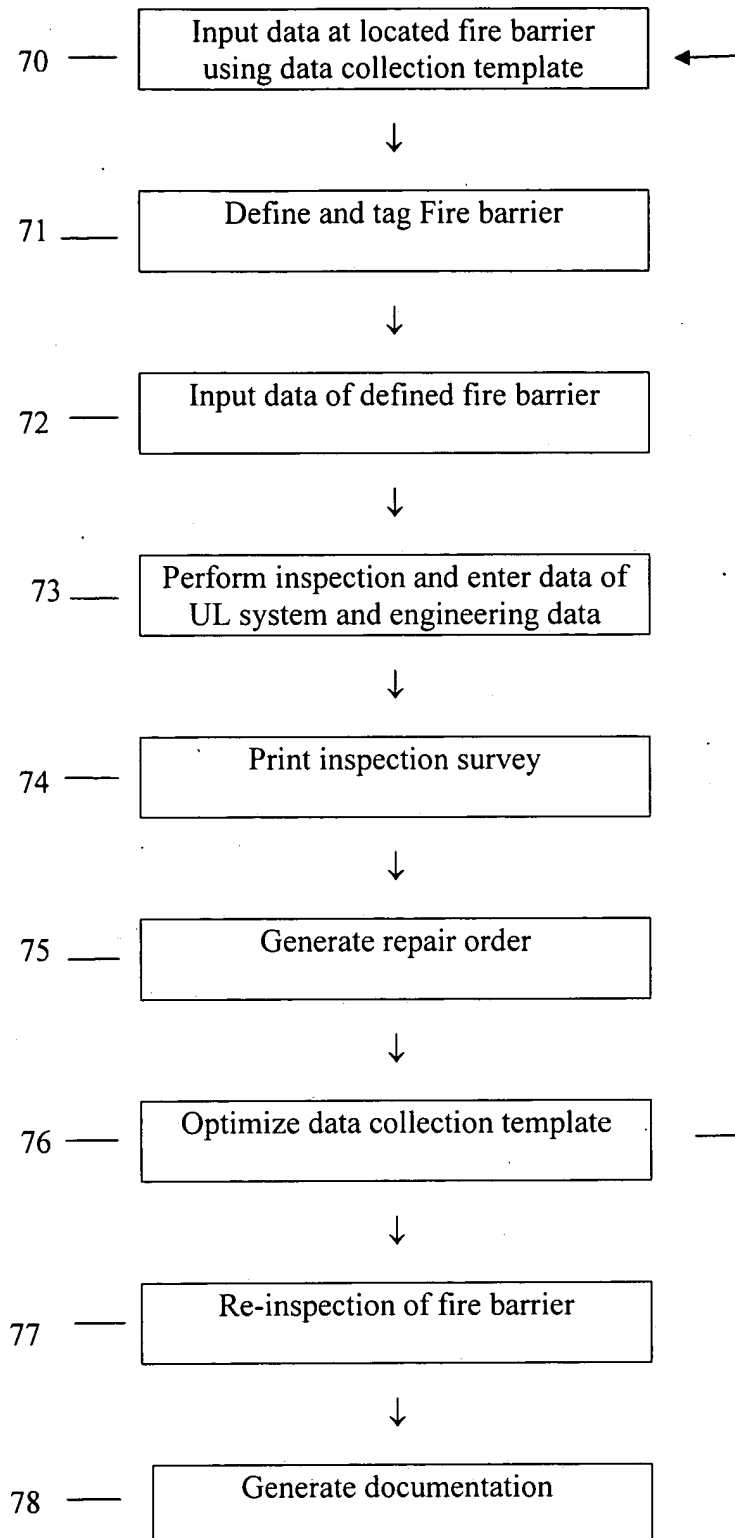
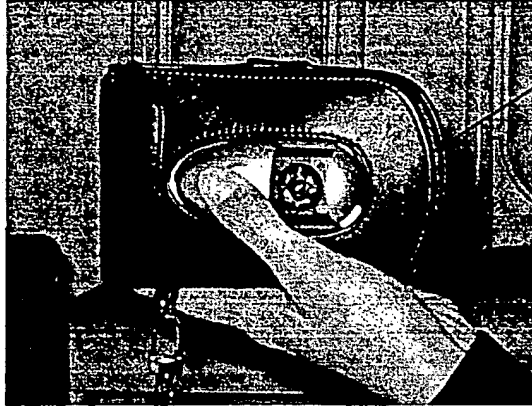


FIG. 7

Creating a Record on the Handheld

The Handheld Unit



1500

Data collection template is
opened on handheld.

FIG. 8A

12 1502

Client Data

Project **10/16/02 11:53:00 PM** 1508

Client Name 1503

Inspector 1504

Building Name 12 1505

Next 1506

FIG. 8B

Client Data Screen includes name, Time/date stamp with GPS/GIS or barcode Wand report, type of data collection being performed date, inspector name, etc.

12

1510

Geography

Barcode ID

1512

Room

Floor

1513

1514

Area Type

1515

1516

Fire/GBR Rating

1518

Delete Record

Previous Record

1518

First Record

Last Record

1518

FIG. 8C

Geography Screen prompts capture of barcode ID, room and floor numbers, area type, transducer reading, etc.

1520

Select Fire Stop Issue

Fire Stop Issue

1521

- Pipe
- Duct
- Cable/Tray Bundle
- Tubing
- Pen or Panel
- Multiple Issues
- Blank Opening
- Joint System
- Fire Barrier Defect

BACK

FIG. 8D

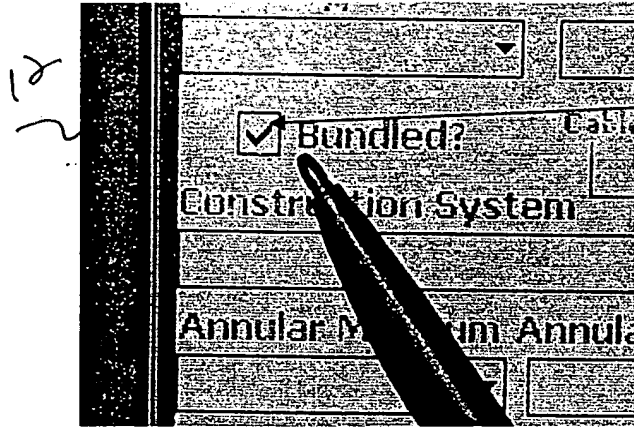
Issue or Incident type is selected from menu. The information requested is dependent on the item selected.

4702-T

| | |
|--------------------|----------|
| Room | Floor |
| 25 | 3 |
| Area Type | |
| Computer Room | |
| e/ CBR Rating | |
| Delete Record | 5 Hour |
| First Record | 1 Hour |
| | 1.5 Hour |
| | 2 Hour |
| Record Edit Option | |

Data is collected in the field utilizing pre programmed dropdown selections

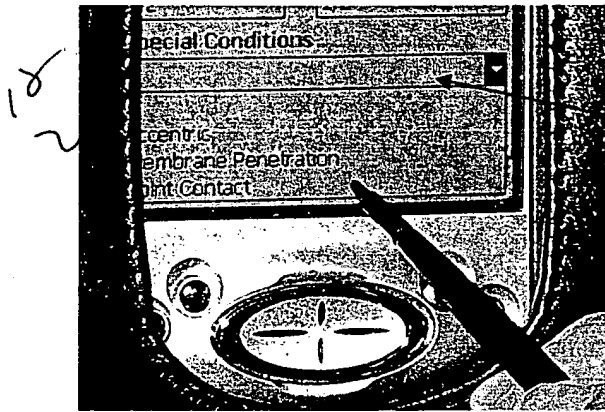
FIG. 8E



1540

Check box, hot button or other visual input indicator can be used to collect data

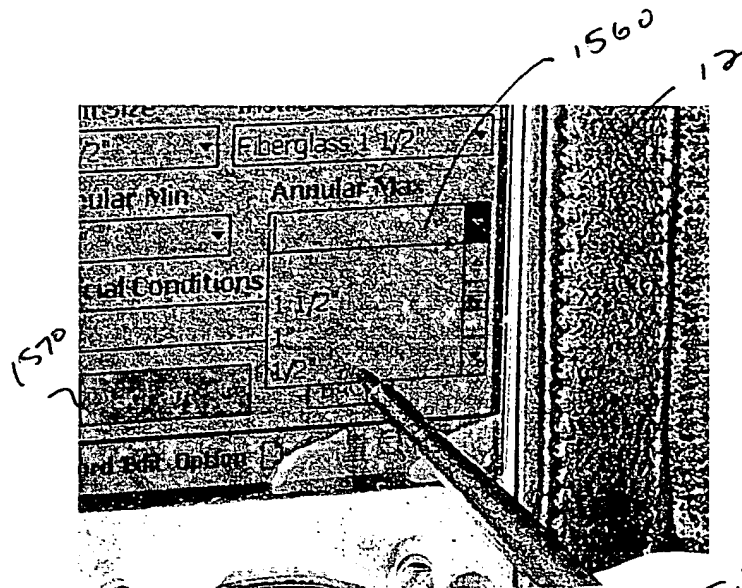
FIG. 8F



1550

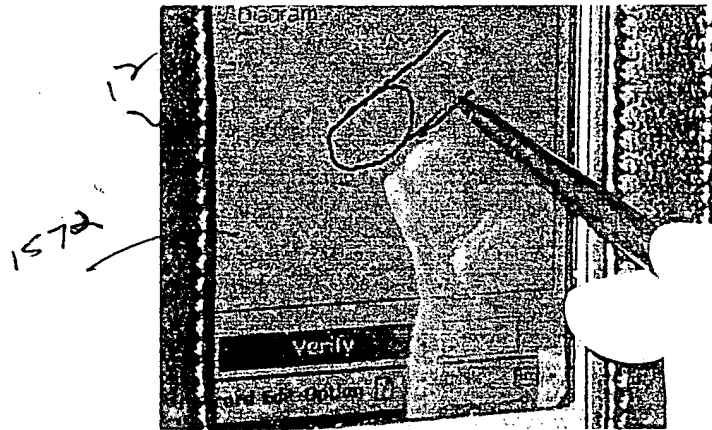
Special condition information can be collected, read into the record from a device interface or added on the fly in the field utilizing the built in data input keyboard, transcriber or character recognizer.

FIG. 8G



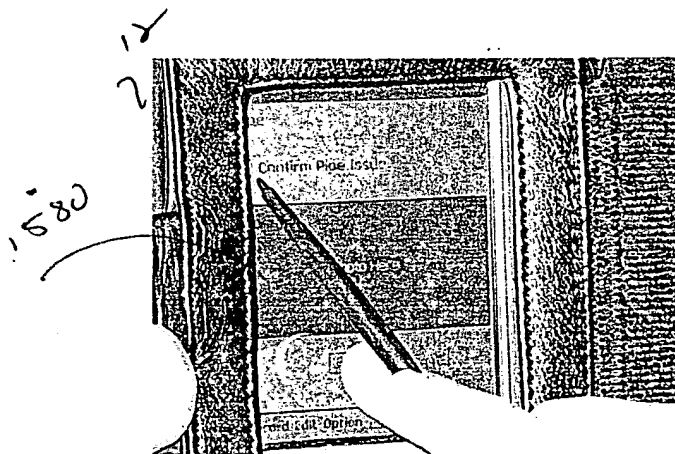
Data such as measurements or field conditions are collected by manual input or read directly into the handheld device template utilizing a measuring device connected directly into the unit..

Fig. 84



The green diagram button shown in the previous slide brings you to a sketch screen for input of a sketch directly into the record at time of capture.

Fig 8I



The photo integration screen prompts the operator to toggle over to the built in camera and collect a photo of the item to be inserted into the record at time of capture.

Fig. 8J

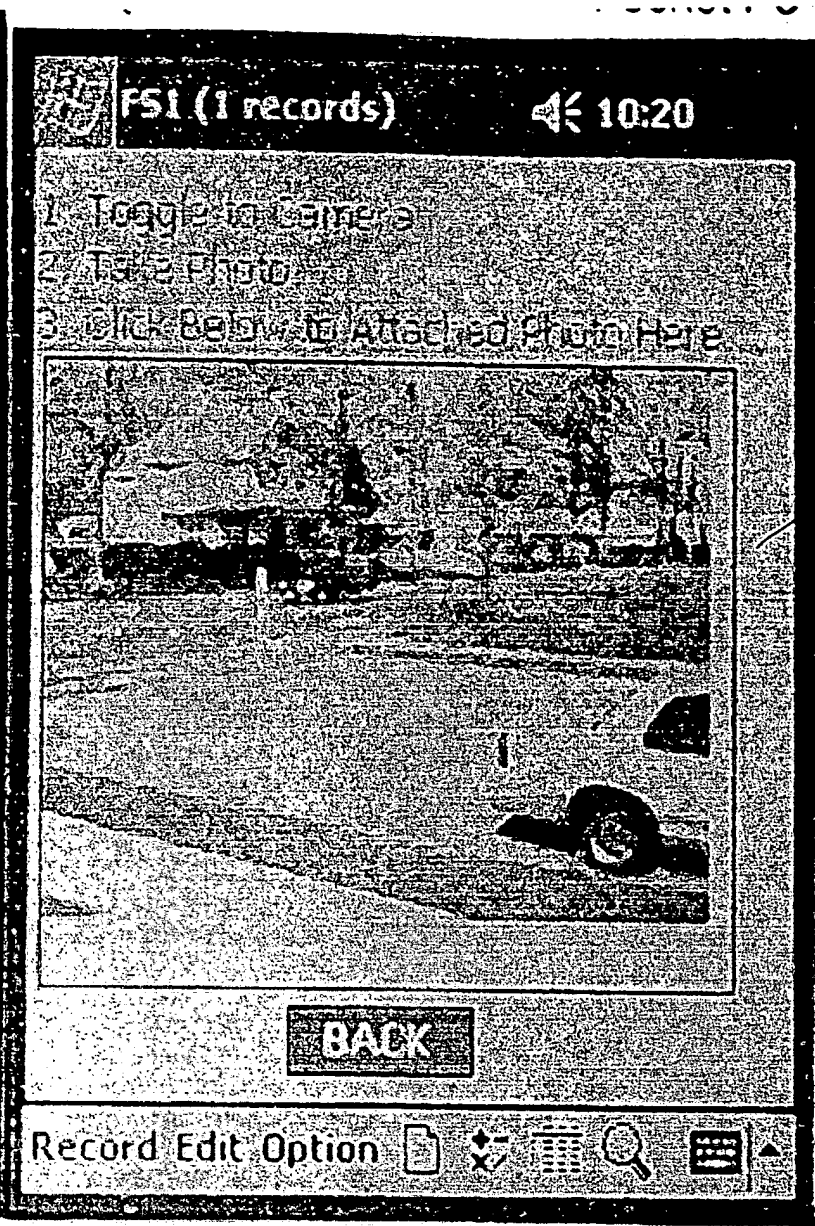


FIG. 8K

The photo is captured, accepted, selected and inserted directly into the record.

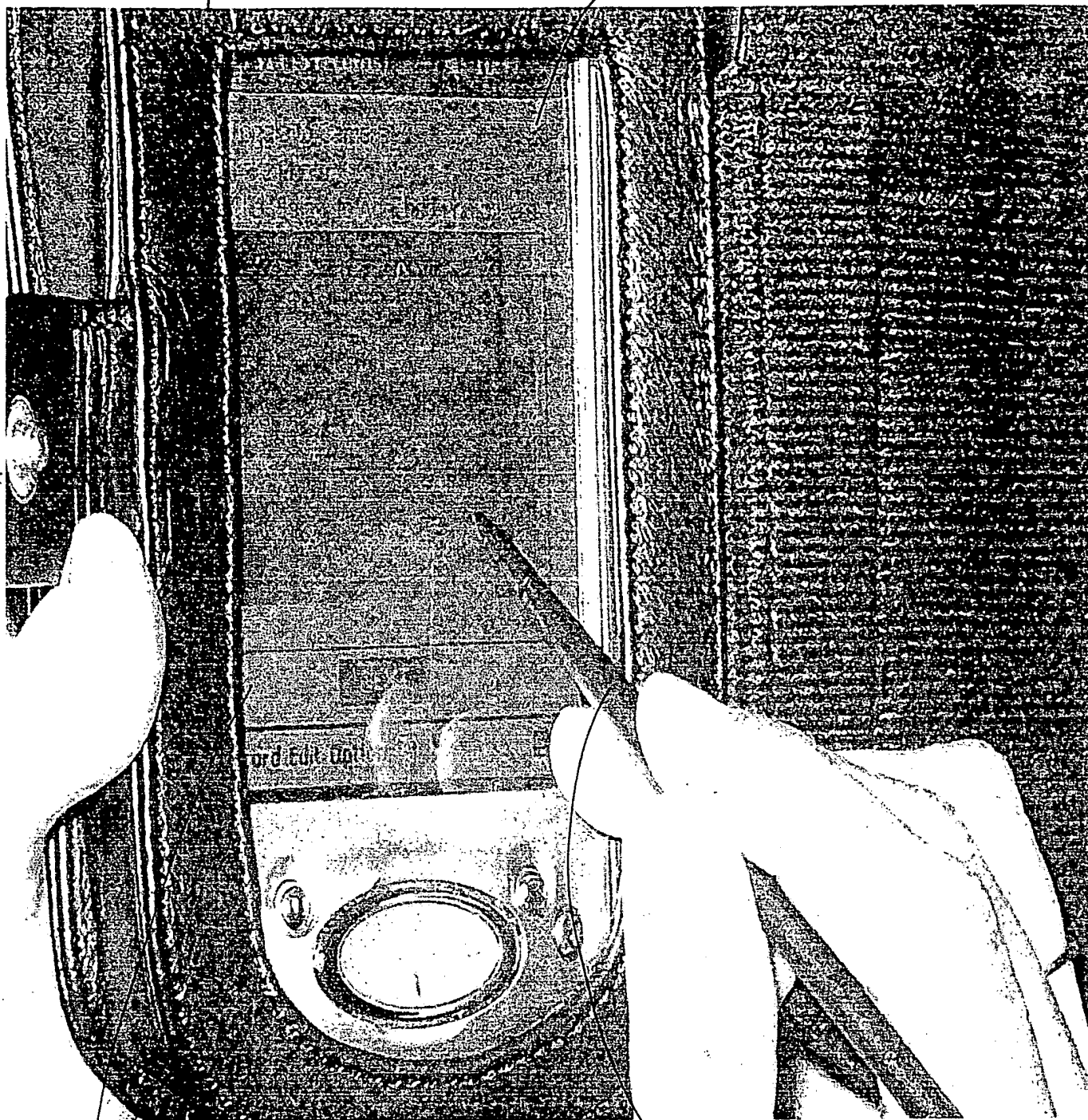


FIG 8L

23

Screen Tap inserts photo(s) into record

1560

Tubing

Types Lab Service ▼ ☐ Bundled?

Diameter of Tubing or Bundle 1 1/2" ▼

Construct 2" ▼

2 1/2" ▼

3" ▼

Special Conditions ▼

Annular Minimum Annular Maximum

FIG. 8M

Additional data is collected and recorded as required.

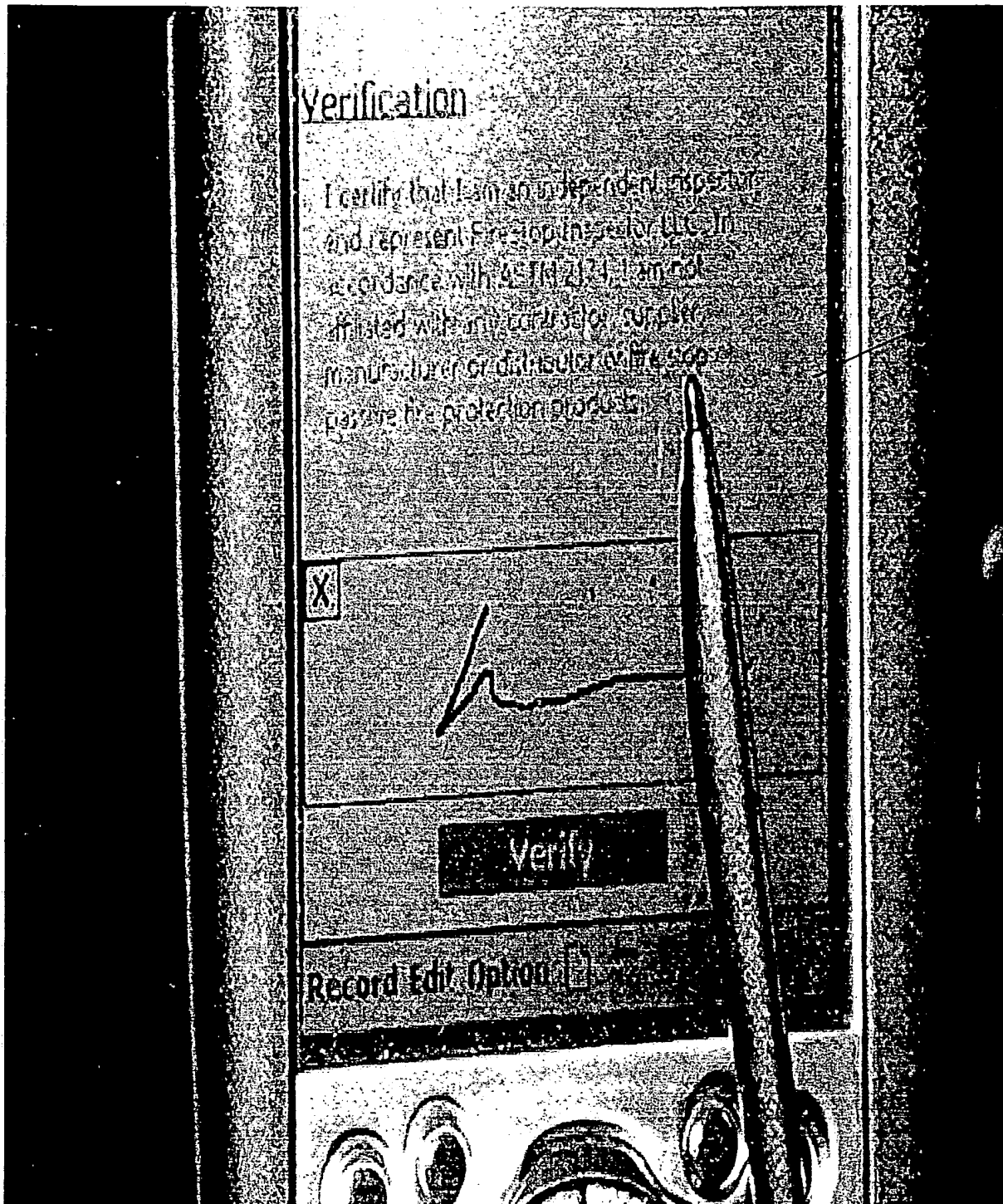
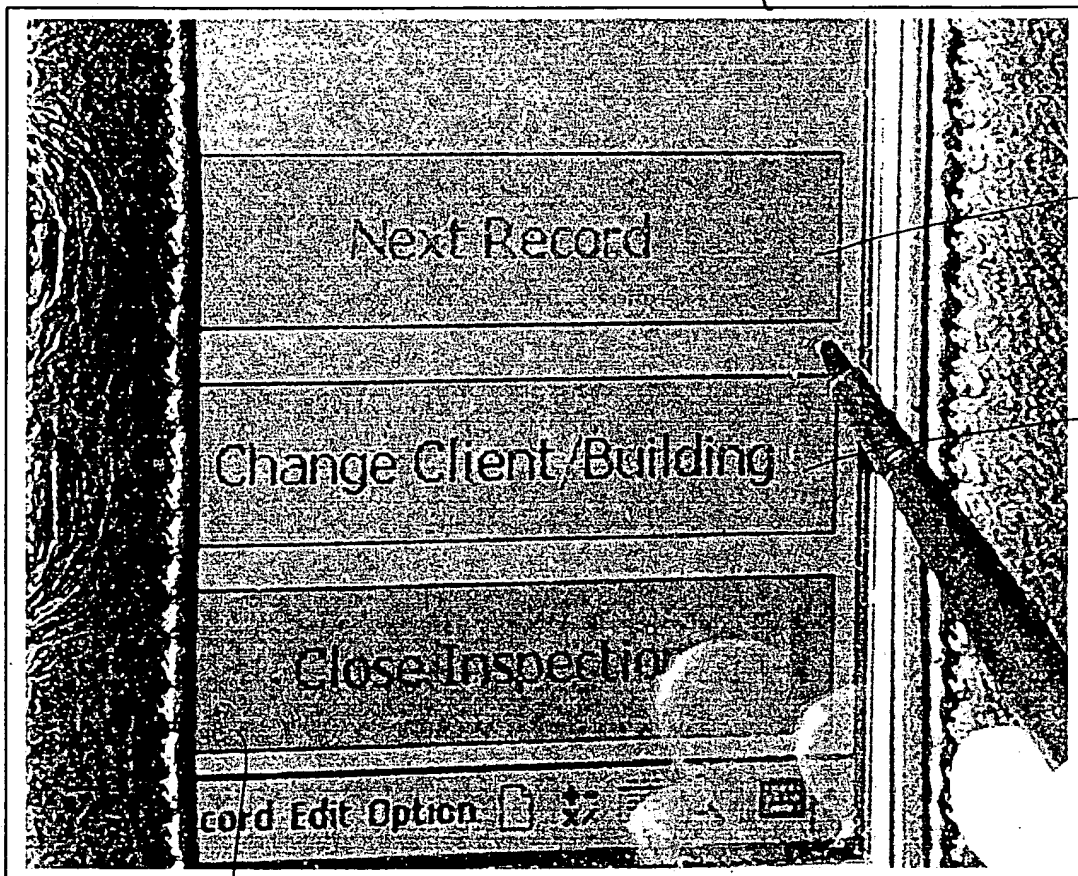


FIG. 9W

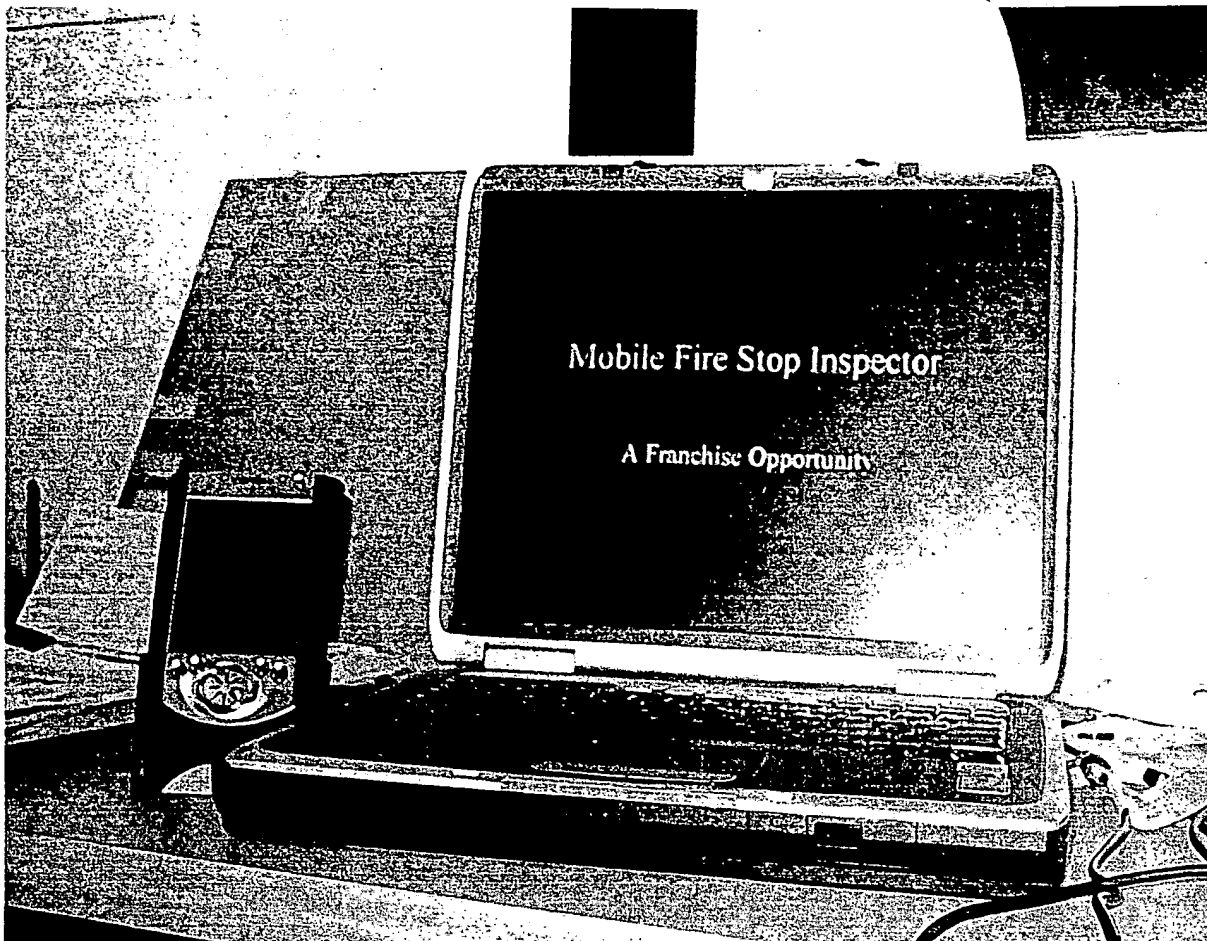
Signature is collected and inserted directly into the record at time of capture

Screen moves operator to next record, new client or to close inspection.

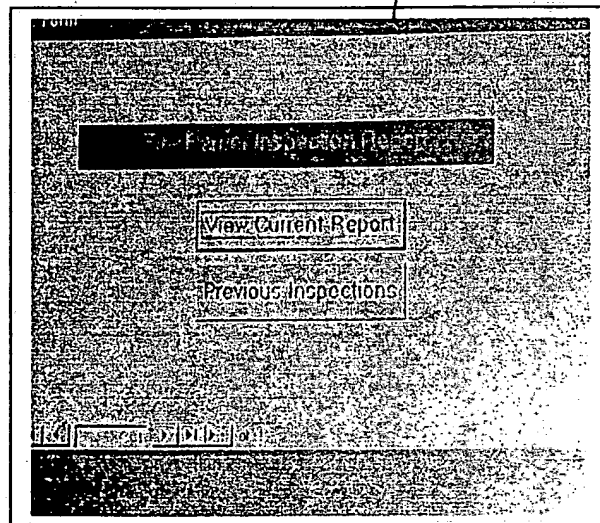


1534

FIG. 80



The handheld is synchronized to the base unit utilizing cradle



At completion of synchronization, operator is immediately prompted to view and print report that was just created by record. This is a one button function by the operator. A secure copy of the record is also stored in the central database for this particular application.

FIG. 8P

FireStop Inspector TM

Fire Barrier Inspection Report

XXX Hospital
YYY Street
Newark, NJ 07108
8th Floor - East Wing
Barcode ID: T0005
Inspection Date: March 13, 2003
Inspector: John Smith

2000 2002 2004 2006 2008 2009 2010 2012 2014 2016 2018

| Item | Location | Penetration | Type | Material | Diameter | Insulation | Construction System | Min Annular | Max Annular | Special Conditions |
|------------------|----------------|----------------|------------------|---------------|-------------|-----------------------|------------------------------|-------------|-------------|---------------------------|
| 1 | Above Door 501 | Duct | HVAC | Steel | 8X18" | No | Concrete Block | 1" | 3" | No Damper |
| 2 | Above Door 501 | Conduit | Electrical | Steel | 3/4" | No | Concrete Block | 1 1/2" | 2" | Eccentric |
| 3 | Above Door 501 | Bundled Cable | Electrical | Mixed Wiring | 2" | No | Concrete Block | 1/4" | 1/2" | N/A |
| 4 | Above Door 501 | Pipe | Water | Copper | 1 1/2" | No | Concrete Block | 0" | 1" | Partial Point Contact 15% |
| 5 | Above Door 501 | Pipe | Water | Copper | 1" | No | Concrete Block | 1/2" | 1/2" | N/A |
| 6 | Above Door 501 | Pipe | Steam | Iron | 1 1/2" | Fib - 1/2" | Concrete Block | 3/4" | 3/4" | N/A |
| 7 | Above Door 501 | Pipe | Steam | Iron | 1 1/2" | Fib - 1/2" | Concrete Block | 3/4" | 3/4" | N/A |
| 8 | Above Door 501 | Bundled Cable | Electrical | Mixed Wiring | 1" | Plastic Sleeve - 1/3" | Concrete Block | 1/2" | 1/2" | N/A |
| 9 | Above Door 501 | Conduit | Primary Electric | Steel | 4" | No | Concrete Block | 6" | 6 1/2" | N/A |
| 10 | Above Door 501 | Bundled Cable | Electrical | Armored Cable | 1 1/2" | No | Concrete Block | 1/4" | 1/4" | N/A |
| 11 | Above Door 501 | Bundled Tubing | Lab Services | Copper | 3" | No | Concrete Block | 0" | 1" | Partial Point Contact 15% |
| 12 | Above Door 501 | Pipe | Lab Services | Iron | 2" | No | Concrete Block | 1" | 1" | N/A |
| 13 | Above Door 501 | Pipe | Electrical | Conduit | 1" | No | Concrete Block | 1/2" | 1/2" | N/A |
| Mixed Penetrants | | | | | | | | | | |
| 14 | Above Door 501 | Bundled Cable | Electrical | Wire | 1/2" | No | Concrete Block | 3" | 8" | Membrane Penetration |
| 15 | Above Door 501 | Bundled Cable | Electrical | Armored Cable | 1/2" | No | Concrete Block | | | |
| | | | | Conduit | 1" | No | Concrete Block | 1" | 1 1/2" | Eccentric |
| | | | | Armored Cable | 1/2" | No | Concrete Block | | | |
| | | | | | | | | | | |
| 16 | Above Door 501 | Joint Gap | Wall to Ceiling | | Linear Feet | 8' | Concrete Block/Concrete Deck | Min Gap | Max Gap | Static |
| | | | | | | | | 1 1/2" | 2" | |

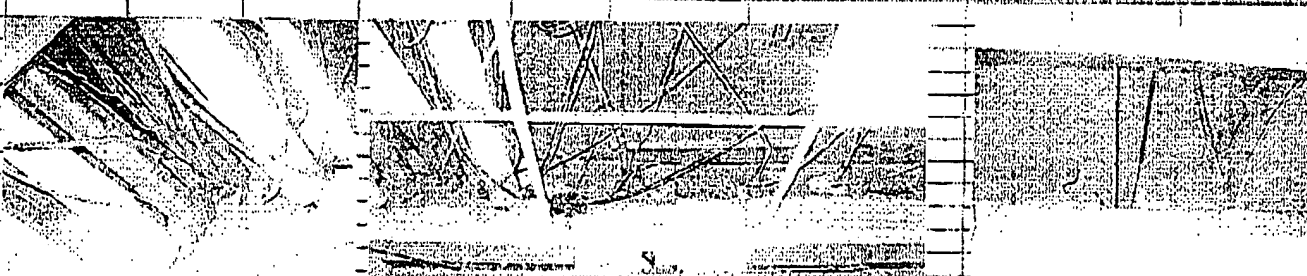


FIG. 9A

Issues by Room

Aliso Solutions Inc.

| Client | Building | Floor | Room |
|--------------------------|--|---------------------|--|
| University of California | Power Plant | | |
| Remarks: 12/14 | | | |
| Fire Supp Issue | Issue Type | Size | Min. Max. Materials Construction System Special Conditions |
| Fire Protection | Det | 7' 6" | 1' 6" Alarm Det |
| Fire Protection | Det | 7' 6" | 1' 6" Alarm Det |
| Client | Building <td>Floor <td>Room</td> </td> | Floor <td>Room</td> | Room |
| US Department of Energy | Power Plant | | |
| Remarks: | | | |
| Fire Supp Issue | Issue Type | Size | Min. Max. Materials Construction System Special Conditions |
| Fire Protection | Det | 7' 6" | 1' 6" Alarm Det |
| Client | Building <td>Floor <td>Room</td> </td> | Floor <td>Room</td> | Room |
| SN | Power Plant | | |
| Remarks: | | | |
| Fire Supp Issue | Issue Type | Size | Min. Max. Materials Construction System Special Conditions |
| Fire Protection | Det | 7' 6" | 1' 6" Alarm Det |

Print: September 14, 2001

Page 1 of 1

Fig. 9B

Summary Report

Repair Order

Date 10/13/03

Client Information:

Client Anheuser Busch, Inc

Location Newark Brewery

Address 100 Rt 1&9, Newark, NJ 07070

Building Number 4 **Room Number** 437A **Print Number** 6-76y

Issue Information:

Type Through Penetration

Trade Required Fire Stop Contractor

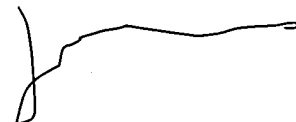
Description Copper pipe through cmu block wall, 2 hour rated in entry area of room.

Priority HIGH **UL System Selected** UL# CAJ-4501-A **Special Instructions** This is a Safety Issue

Producers Signature



Approval Signature



Assignment of Work:

Contractor Assigned Ace Construction Inc



Provide Estimate for Approval



Time and Materials Work

Contact Name Joe Sims



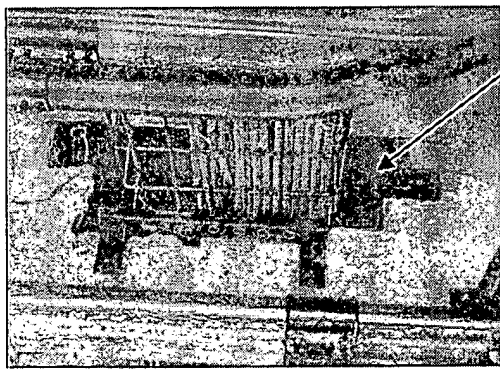
Estimated Cost \$ 600.00

Telephone Number 732-528-0473



This work is included in our existing contract with the assigned contractor and must be completed at no additional cost to the existing contract for services.

Deficiency Digital Photo



Open Space

Approvals and Inspections



Work inspected and approved

Signature

10/13/03

Date

Time and Date: 10/20/2003 12:06:13 PM

Fire Barrier Report

Client ASI Management
Project Scope of Services

Inspection Date/Time 10/10/2003 9:15:00 AM
Inspector Name Val O'Connor

Building Floor Power Plant Room 2 Area Type 14 Electrical Room

Fire Stop Issue Fire Rating 2 Hour
Wall Penetration

Dimensions 5" Construction System Block
Annular Max 1 1/2" Annular Min 1/2"

Multi Issues
Defects

Utility Vent Materials Aluminum
Insulation Fiberglass 1/2" Special Conditions Eccentric

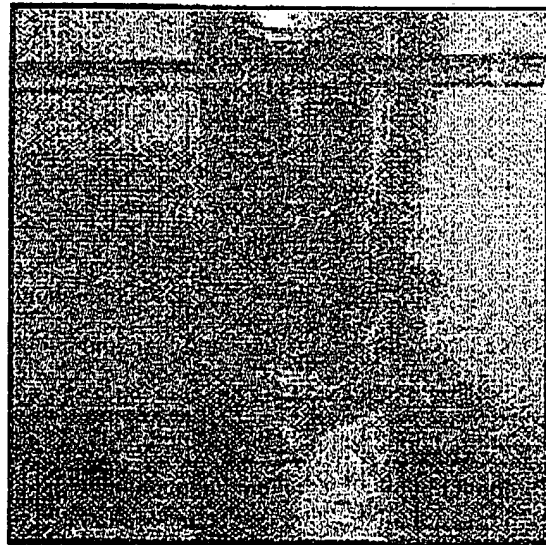
Barcode T-3138621.456

I certify that I am an independent inspector and represent FireStop Inspector LLC. In accordance with ASTM 2174, I am not affiliated with any contractor, supplier, manufacturer or distributor of fire stop or passive fire protection products.

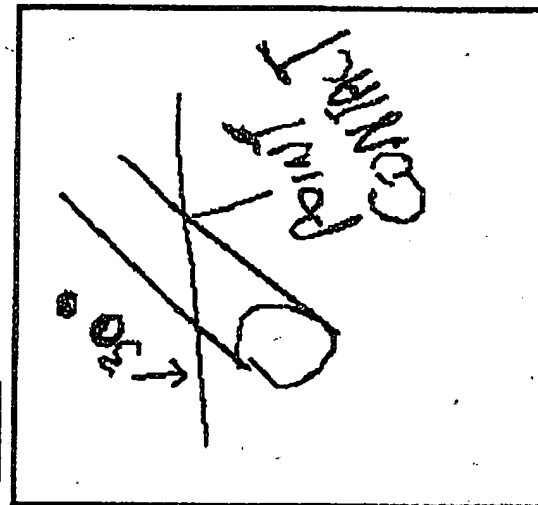
Signature

Repair Recommended

Photo



Diagram



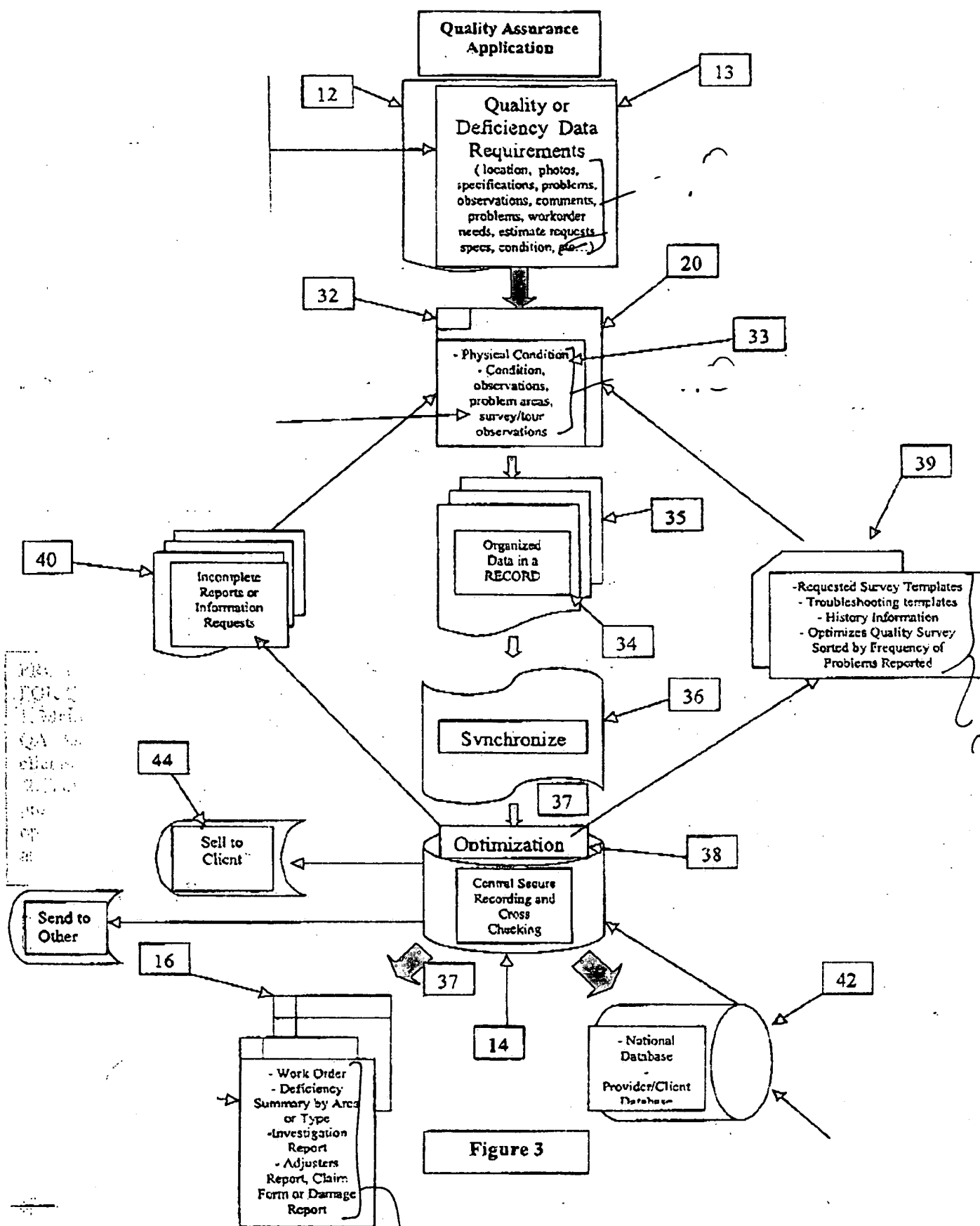


Figure 3

Fig. 12

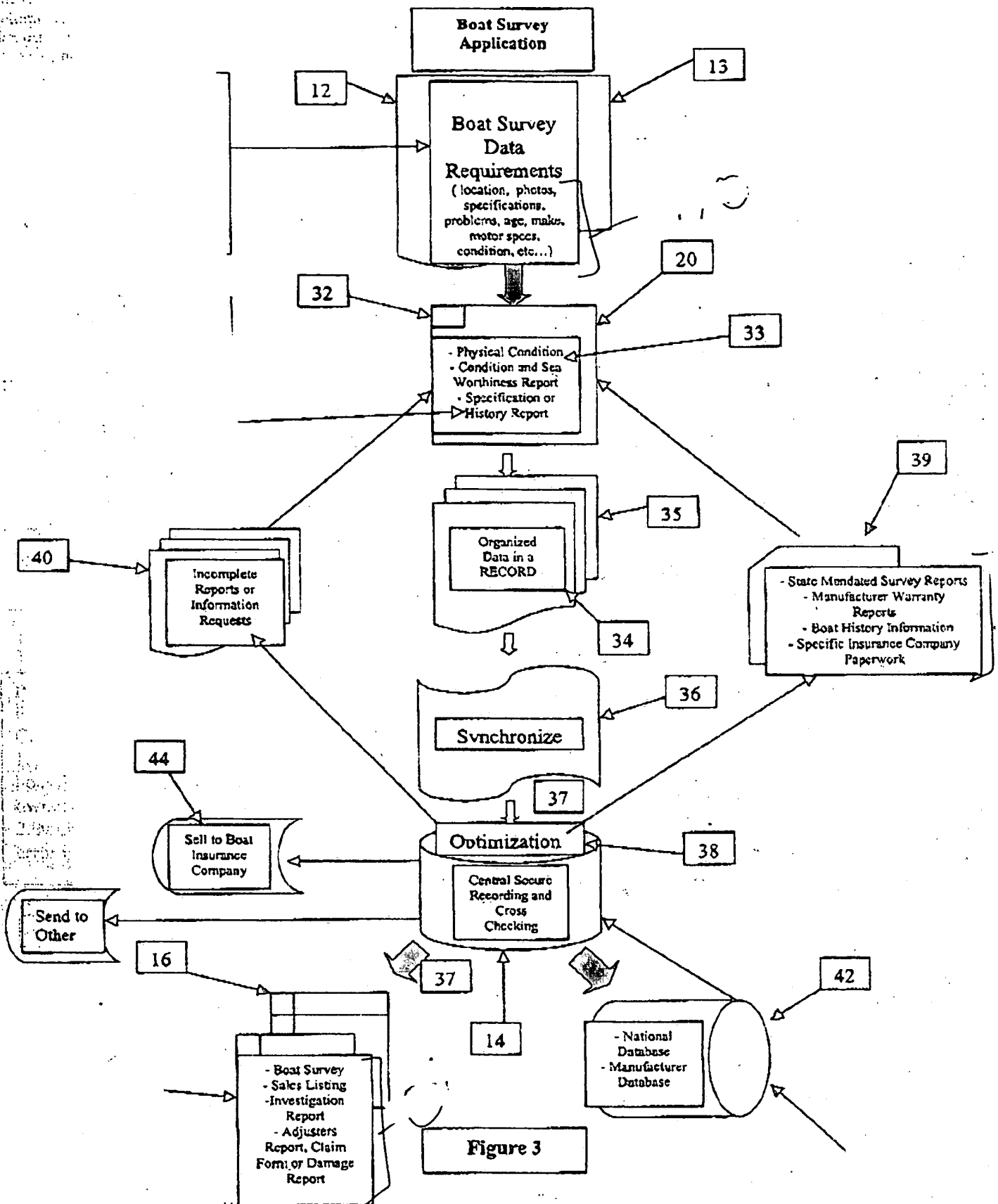


Fig. 13

